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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/811,376	03/16/2001	David Smith	0321.65200	6440
24978	7590 02/11/20	04	EXAM	INER
GREER, BU	RNS & CRAIN		LEE, BE	NNY T
300 S WACK	ER DR			
25TH FLOOR			ART UNIT	PAPER NUMBER
CHICAGO, I	L 60606		2817	

DATE MAILED: 02/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.



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09/811,376 HARD DATE

PRAME TO SEE

BATH, WARTEN

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☐ This	application has been examined	Responsive to cor	mmunication filed on 6	Nov 2003	This action is made final.
	ned statutory period for response respond within the period for res				
Part i	THE FOLLOWING ATTACHMEN	IT(S) ARE PART OF TH	IS ACTION:		
1. [3. [5. [Notice of References Cited by Notice of Art Cited by Applicar Information on How to Effect C	nt, PTO-1449.	4. 🔲 No	tice re Patent Drawin tice of Informal Pater	g, PTO-948. It Application, Form PTO-152
Part II	SUMMARY OF ACTION		•		
1.	Claims	1-15,	17-36,38-4	14	are pending in the application
	Of the above, claims	·			_ are withdrawn from consideratio
2.	Claims	37			have been cancelled.
3. 🖸	Claims	1-10,14,	15, 18-22		are allowed.
	Claims	1-13,17; 3	23-36,38-4	+3	are rejected
5. [Claims	, ,			are objected to.
6.	Claims			are subject to rest	 ,
6. C	Claims	·		_ •	riction or election requirement.
6 7 8	ClaimsA This application has been filed	with informal drawings u	inder 37 C.F.R. 1.85 which	_ •	riction or election requirement.
6	ClaimsA This application has been filed Formal drawings are required in	with informal drawings un response to this Office	inder 37 C.F.R. 1.85 which action.	are acceptable for e	riction or election requirement. xamination purposes.
6 7 8 9	ClaimsA This application has been filed	with informal drawings un response to this Office wings have been receive	inder 37 C.F.R. 1.85 which action.	are acceptable for e	riction or election requirement.
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EXAMINER'S ACTION

5N 811376 U.S.GPO:1990-259-282

PTOL-326 (Rev.9-89)

Application/Control Number: 09/811,376

Art Unit: 2817

The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the scattering defect (claim 36) still must be shown or the feature(s) canceled from the claim(s). No new matter should be entered.

A proposed drawing correction or corrected drawings are required in reply to the Office action to avoid abandonment of the application. The objection to the drawings will not be held in abeyance. Note that claim 36 remains pending in the application.

Claims 11-13, 17; 23-36, 38-43 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claims 11, 13, 17, note that the recitation "from within or without" is vague in meaning and needs clarification. Do these claims intend to mean that the "modulable medium" can be –internally—modulable or in the alternative be –externally- modulable? If so, then appropriate clarification is needed.

In claim 23, third and fourth paragraphs, note that it is unclear how each recitation of "an array of elements" relates to each other (e.g. the same array, different arrays, etc). Clarification is needed. In the fourth paragraph, note that "said negative permittivity composite medium" lacks strict antecedent basis. Also, note that it is unclear with respect to which "array of elements" is "said elements" intended to be associated. Clarification is needed.

In claims 30, 31, 32, 33, note that the recitation "each said negative permittivity composite medium" is not consistent with the claim 23 recitation where only a single

"negative permittivity composite medium" appears to have been defined. Clarification is needed.

In claims 38-40, note that these claims improperly depend from canceled claim 37. Clarification is needed.

In claims 40, 41, 42, note that "said units" lack strict antecedent basis.

In claims 43, 44, note that "the adiabatic absorption" remains vague in meaning and still needs clarification. Also, note that it is unclear which "medium" is intended by the recited "said medium". Clarification is needed.

The following claims have been found objectionable for reasons set forth below:

In claims 12, 15, line 1 of each claim, note that –modulable permittivity—should precede "medium" for clarity of description.

In claim 23, third paragraph, first line, note that "an array of elements each of which" should be rephrased as –an array of elements, each <u>element</u>—for a proper characterization.

In claims 27-29, note that –shape—should follow ' "G" ', "Swiss roll" & "spiral", respectively for clarity of description.

Applicants' are requested to verify the numbering of the claims in the just filed amendment relative to the claim numbering in previously filed amendments in view of apparent inconsistencies in the claims presented (e.g. "blank claim 16" & "canceled claim 37").

Claims 1-10, 14, 15, 18-22 are allowable over the prior art of record for the reasons set forth in applicants' last response.

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THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication should be directed to Benny Lee at telephone number 571 272 1764.

BENNY T. LEE PRIMARY EXAMINER ART UNIT 2817